Data Visualization

Step-1 Import labraries

```
import seaborn as sns
import matplotlib.pyplot as plt
```

Step-2 Load Dataset

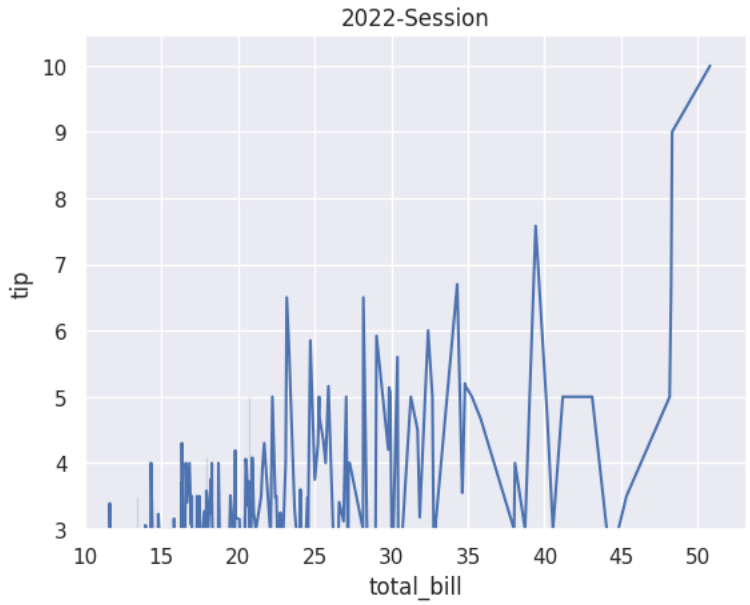
```
tips = sns.load_dataset("tips")
tips.head()
```

	total_bill	tip	sex	smoker	day	time	size
0	16.99	1.01	Female	No	Sun	Dinner	2
1	10.34	1.66	Male	No	Sun	Dinner	3
2	21.01	3.50	Male	No	Sun	Dinner	3
3	23.68	3.31	Male	No	Sun	Dinner	2
4	24.59	3.61	Female	No	Sun	Dinner	4

Step-3 Plot a graph

```
sns.lineplot(x="total_bill",y="tip", data=tips)
plt.xlim(10)
plt.ylim(3)
plt.title("2022-Session")
```

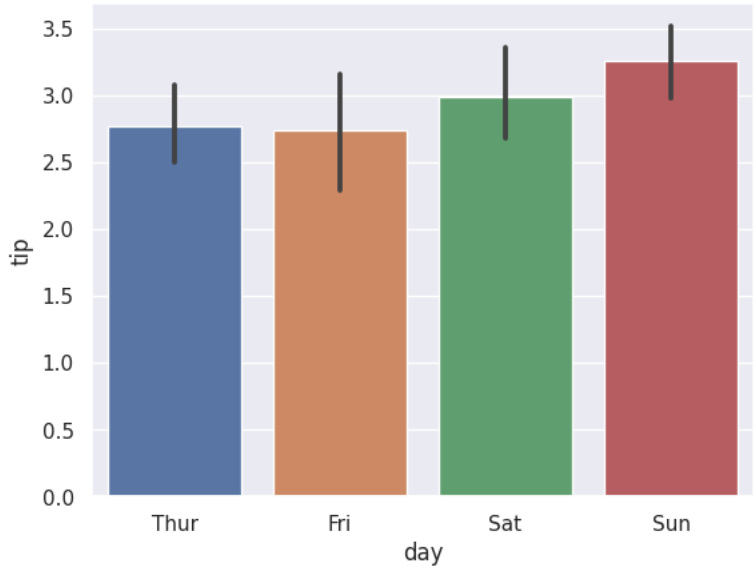
```
Text(0.5, 1.0, '2022-Session')
```



Bar Plot

```
sns.barplot(x="day",y="tip", data=tips)
```

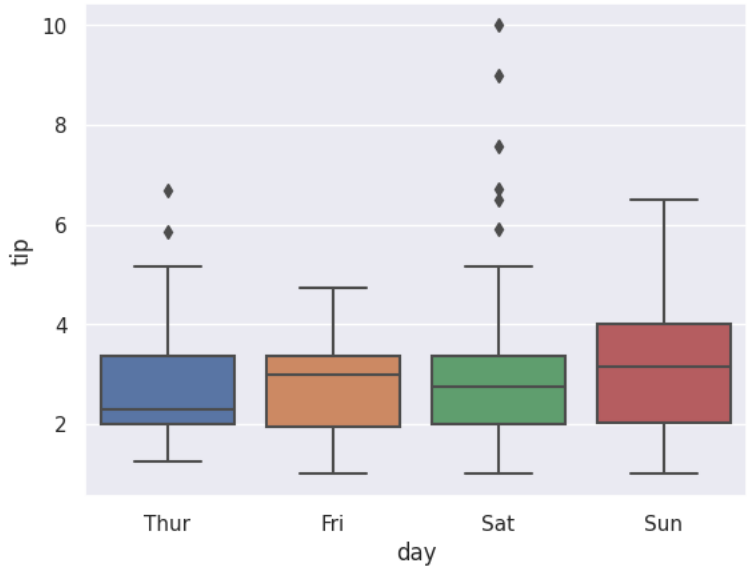
```
<Axes: xlabel='day', ylabel='tip'>
```



Box Plot

```
sns.boxplot(x="day",y="tip", data=tips)
```

```
<Axes: xlabel='day', ylabel='tip'>
```



Scatter Plot

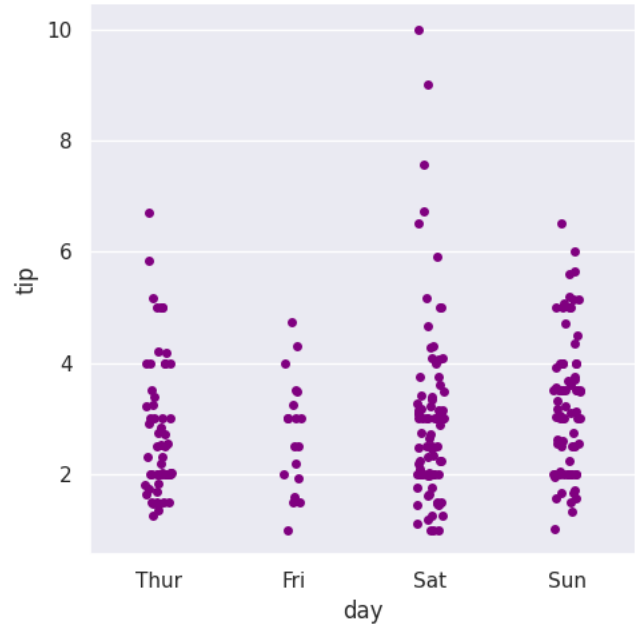
```
sns.scatterplot(x="total_bill",y="tip", data=tips)
```

```
<Axes: xlabel='total_bill', ylabel='tip'>
```

Cat Plot

```
sns.catplot(x="day",y="tip", data=tips,color="purple")
```

```
<seaborn.axisgrid.FacetGrid at 0x7f04e2e920e0>
```



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